

Substitute for form 1449A/PTO (modified)

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Page 1 of 1

Application Number	10/666212
Filing Date	September 18, 2003
First Named Inventor	Rosenflanz, Anatoly Z.
Art Unit	1755
Examiner Name	Elizabeth Bolden
Attorney Case Number	58807US002

U.S. Patent Documents

Exam. Init.*	Cite No.	Document Number		Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number-(Kind Code if Known)				
11	A1	US-	3,637,361	01-25-1972	Kita et al.	
	A2	US-	3,928,515	12-23-1975	Richmond et al.	
	A3	US-	4,217,264	08-12-1980	Mabie, et al.	
	A4	US-	4,772,511	09-20-1988	Wood et al.	
	A5	US-	5,057,018	10-15-1991	Bowen	
	A6	US-	5,552,213	09-03-1996	Eschner	
	A7	US-	5,733,178	03-31-1998	Obishi	
	A8	US-	2001/0030811 A1	10-18-2001	Kasai et al.	
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	A10	US-	2003/0040423 A1	02-27-2003	Harada et al.	
	A11	US-	2004/0148868 A1	08-05-2004	Anderson et al.	

Foreign Patent Documents

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		Ctry. Code	Number-Kind Code (if known)				
	B1						
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OTHER DOCUMENTS

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*Examiner:

Date Considered:

2/27/06

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M	A1	US- 5,534,843	07/09/1998	Tsunoda et al.		
M	A2	US- 5,976,274	11/02/1999	Inoue et al.		
M	A3	US- 6,362,119 B1	03/26/2002	Chiba		
	A4	US-				
	A5	US-				
	A6	US-				
	A7	US-				
	A8	US-				
	A9	US-				
	A10	US-				
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<i>1</i>	A1	US- 3,754,978	08/28/1973	Elmer et al.	
	A2	US-			
	A3	US-			
	A4	US-			
	A5	US-			
	A6	US-			
	A7	US-			
	A8	US-			
	A9	US-			
	A10	US-			
	A11	US-			

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N	A1	US- 4,182,437	01/08/1980	Roberts et al.		
N	A2	US- 4,552,199	11/12/1985	Onoyama et al.		
N	A3	US- 4,705,656	11/10/1987	Onoyama et al.		
N	A4	US- 5,215,563	06/01/1993	LaCourse et al.		
	A5	US-				
	A6	US-				
	A7	US-				
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	A1	US-			
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	A9	US-			
	A10	US-			
	A11	US-			

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4	B1	EP	0 274 838	07/20/1988			
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		Doc. Number-(Kind Code if Known)				
1	A1	US- 3,714,059	01/30/1973	Shaw et al.		
	A2	US- 3,717,583	02/20/1973	Shaw et al.		
	A3	US- 3,928,603	12/18/1975	Plesslinger et al.		
	A4	US- 4,218,253	08/19/1980	Dworak et al.		
	A5	US- 4,467,767	08/28/1984	Kampichler et al.		
	A6	US- 4,829,031	05/09/1989	Roy et al.		
	A7	US- 4,950,294	08/21/1990	Hakamatsuka		
	A8	US- 5,164,348	11/17/1992	Wood		
	A9	US- 5,213,591	05/25/1993	Celikkaya et al.		
	A10	US- 5,484,752	01/16/1996	Waku et al.		
	A11	US- 5,589,547	10/29/1998	Waku et al.		
	A12	US- 5,682,082	10/28/1997	Wei et al.		
	A13	US- 6,447,937	09/10/2002	Murakawa et al.		

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		Ctry. Code	Number-Kind Code (if known)				
B1	B1	JP	60025608	03/18/1975			X
B2	B2	FR	2638370	06/28/1984			X

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<i>h</i>	A1	US- 4,111,707	09/05/1978	Komorita et al.	
<i>h</i>	A2	US- 4,789,501	12/06/1988	Day et al.	
<i>h</i>	A3	US- 5,747,397	05/05/1998	McPherson et al.	
<i>h</i>	A4	US- 6,251,813 B1	06/26/2001	Sato	
	A5	US-			
	A6	US-			
	A7	US-			
	A8	US-			

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		Ctry. Code	Number-KindCode (If known)				
<i>h</i>	B1	JP	60221338	11/06/1985			Abstract
	B2						
	B3						

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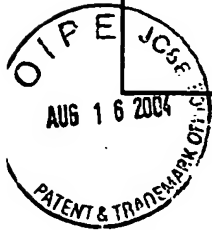
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Information Disclosure Statement)



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PROPRIETARY INFORMATION DO NOT SCAN

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

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<i>W</i>	C1	U.S. Application entitled "Ceramics, and Methods of Making and Using the Same", filed July 29, 2004 (Attorney Docket No. 59682US002)
<i>W</i>	C2	U.S. Application entitled "Method of Making Ceramic Articles", filed July 29, 2004 (Attorney Docket No. 59435US002)
	C3	

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41	A1	US- 3,625,717	12/07/1971	Grubba et al.	
	A2	US- 4,316,964	02/23/1982	Lange	
	A3	US- 4,757,036	07/12/1988	Kaar et al.	
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	A5	US- 5,413,974 A	05/09/1995	Yokoyama et al.	
	A6	US- 5,449,389	09/12/1995	Yoshizumi et al.	
	A7	US- 5,516,348 A	05/14/1996	Conwell et al.	
	A8	US- 5,547,479 A	08/20/1996	Conwell et al.	
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		Ctry. Code	Number-Kind Code (If known)				
16	B1	DE	141 420	04/30/1980			X
	B2	EP	0 227 374	07/01/1987			
	B3	EP	0 236 507	09/16/1987			
	B4	EP	0 666 238 B1	08/09/1995			
	B5	EP	0 666 239 B1	08/09/1995			
	B6	FR	2 118 026	07/28/1972			X
	B7	GB	793,503	04/16/1958			
	B8	GB	1,005,338	09/22/1965			
	B9	GB	2 116 992	10/05/1983			

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<i>h</i>	B11	JP	61099665	05/17/1986		Abstract
<i>h</i>	B12	JP	05-085821	04/06/1993		X
<i>h</i>	B13	JP	06-171974	06/21/1994		X
<i>h</i>	B14	JP	62-003041	01/09/1987		X
<i>h</i>	B15	JP	2003-94414	04/03/2003		X

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<i>h</i>	C1	Aasland and McMillan, Nature 369, 633 (1994)	
<i>h</i>	C2	Aguilar et al, "Melt Extraction Processing of Structural Y ₂ O ₃ -Al ₂ O ₃ Fibers", J. Eur. Ceram. Soc. 20 1091-1098 (2000)	
	C3	Gandhi, A.S. and Jarayam, V., "Pressure Consolidation of Amorphous ZrO ₂ -Al ₂ O ₃ by Plastic Deformation of Powder Particles", Acta Materiala, 50 (2002), 2137-2149	
	C4	Gonzalez, Eduardo J., et al., "High Pressure Compaction and Sintering of Nano-Size γ-Al ₂ O ₃ Powder", Materials and Manufacturing Processes Vol. 11, No. 6, 951-967, 1996	
	C5	Jantzen, C.M., Krepski, R.P., & Herman, H., "Ultra-Rapid Quenching of Laser-Method Binary and Unary Oxides", Mat. Res. Bull. 15, 1313-1326 (1980)	
	C6	Khor K.A., "Novel ZrO ₂ -Mullite Composites Produced By Plasma Spraying", Proceedings of the 15 th International Thermal Pray Conference, 25-29 May 1998, Nice, France	
	C7	Ray, C.S. and Day, D.E., "Determining the Nucleation Rate Curve for Lithium Disilicate Glass by Differential Thermal Analysis", J. Am. Ceram. Soc. 73(2) 439-442 (1990)	
	C8	Schmucker, M, et al., "Constitution of Mullite Glasses Produced by Ultra-Rapid Quenching of Plasma-Sprayed Melts", Journal of the European Ceramic Society 15 (1995) 1201-1205	
	C9	Sarjeant, P.T. & Roy, R., in <i>Reactivity of Solids</i> (ed. J. W. Mitchell, R.C., DeVries, R.W., Roberts and P. Cannon) 725-33 (John Wiley & Sons, Inc., New York 1969)	
	C10	Takamori, T., & Roy, R., "Rapid Crystallization of SiO ₂ -Al ₂ O ₃ Glasses", Journal of American Society, Vol. 56, No. 12, December 1973.	
	C11	Weber et al., "Synthesis and Optical Properties of Rare-Earth-Aluminum Oxide Glasses", J. Am. Ceram. Soc. 85(5) 1309-1311 (2002)	
<i>h</i>	C12	Wilding, M.C., McMillan, P.F., "Polyamorphic Transitions in Ytria-Alumina Liquids", J. Non-Cryst. Solids. 293-295, 357-365 (2001)	

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2	A1	US- 659,926	10/16/1900	Jacobs	
	A2	US- 906,339	12/08/1908	Tone	
	A3	US- 960,712	06/07/1910	Saunders	
	A4	US- 1,037,999	09/10/1912	Saunders	
	A5	US- 1,107,011	08/11/1914	Allen	
	A6	US- 1,149,064	08/03/1915	Kalmus	
	A7	US- 1,161,620	11/23/1915	Coulter	
	A8	US- 1,192,709	07/25/1916	Tone	
	A9	US- 1,240,490	09/18/1917	Saunders et al.	
	A10	US- 1,247,337	11/20/1917	Saunders et al.	
	A11	US- 1,257,356	02/26/1918	Hutchins	
	A12	US- 1,263,708	04/23/1918	Saunders et al.	
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	A16	US- 1,268,533	06/04/1918	Allen	
	A17	US- 1,314,061	08/26/1919	Harrison	
	A18	US- 1,339,344	05/04/1920	Hutchins	
	A19	US- 1,402,714	01/03/1922	Brockbank	
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	A22	US- 2,000,857	05/07/1935	Masin	
	A23	US- 2,424,645	07/29/1947	Baumann, Jr. et al.	
	A24	US- 2,618,567	11/18/1952	Comstock, III	
	A25	US- 2,958,593	11/01/1960	Hoover et al.	
	A26	US- 2,961,296	11/22/1960	Fenerty	
2	A27	US- 3,041,156	06/26/1962	Rowse et al.	
2	A28	US- 3,141,747	07/21/1964	Marshall	

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2/27/06

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Application Number

10/666212

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First Named Inventor

Rosenflanz, Anatoly Z.

Art Unit

1755

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Elizabeth Bolden

Attorney Case Number

58807US002



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Exam. Init. *	Cite No.	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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Substitute for form 1449A/PTO (modified)

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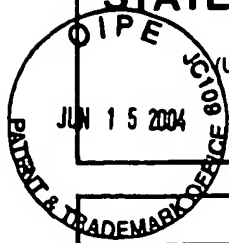
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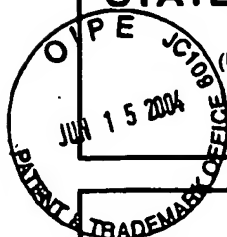
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Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
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12	C2	Brewer, Luke N. et al., "Interface modification for increased fracture toughness in reaction-formed yttrium aluminum garnet/alumina eutectic composites," 1999, Vol. 14, No. 10, pp. 3907-3912.
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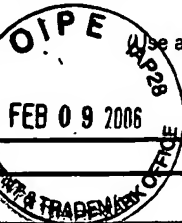
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U.S. Patent Documents

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